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06092425 \*\*Image available\*\*

**STRUCTURE OF LEG FOR LEG TYPE MOVING ROBOT**

**Pub. No.:** 11-033941 [JP 11033941 A ]

**Published:** February 09, 1999 (19990209)

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**Application No.:** 09-197221 [JP 97197221]

**Filed:** July 23, 1997 (19970723)

**International Class:** B25J-005/00; B62D-057/032

**ABSTRACT**

**PROBLEM TO BE SOLVED:** To prevent damage in a leg part by providing a slide body, movable in the direction, on a flat part of a foot, and providing an energizing means, which energizes the slide body to the predetermined position, in the condition that it is supported by the slide body.

**SOLUTION:** A leg part 1 is extended downward from a hip joint provided in a lower part of a body part traveling type robot, and a hip joint 3 and an ankle joint 4 are provided at an intermediate part and a lower leg part 1. Slide rails 8, which are extended in the fore and aft direction of a flat part 2 of a foot, are laid close to both sides of a top surface of the flat part 2 of the foot, and a slide body 9 of rectangular plate is to be moved on the slide rails 8 in the fore and aft direction of the flat part 2 of the foot. A base 5 of the leg is supported on the slide body 9 through an elastic body 10. With this structure, transmission of impact at the collision is relaxed, and generation of damage of the leg part 1 is prevented. At the same time, impact force applied to an obstruction is relaxed, and generation of damage of the obstruction can be avoided.

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